Scott. H-37—100,000—21-8-48.

(1949.) Department.

SERIES.

G.O. No. 759

Dated 15.8.49

[Despatch Abstract.]

Agriculture—I.C.ate.,—Schemes financed by the Committee progress reports for the year ending 30.6.49—Forwarded.

INDIAN CENTRAL-COCONUT COMMITTEE.

Scheme for the multiplication and distribution of seeds of Crotalaria Striata green manure plant for the coconut gardens of the West Coast.

Report of work done during the year 1948-49
(1st July 1948 to 30th June 1949.)

Section A - Introduction.

1. Date of sanction:-The scheme for the multiplication and distribution of seeds of Crotalaria striata green maure plant for the coconut gardens of the West Coast was sanctioned by the Government of Madras in G.O.No.3877 Rev. dated 22.7.48.

2. Date of commencement and duration:- The scheme has been sanctioned for a period of five years from the date of commencement. It was put into operation with effect from the 3rd May 1948.

3. Finance:- The total amount sanctioned for the scheme for the full period of five years is Rs.21,190/- of which Rs.14,125 are expected to be realised as receipts. The net expenditure of Rs.7,065 is to be shared equally between the Indian Central Coconut Committee and the Provincial Government.

The expenditure on the scheme for the year 1948-49 was Rs.415.3.0.

Staff:-

4. The scheme is to be worked with the existing staff at the Agricultural Research Station, Nileslwar and in the eight selected taluks.

5. Object:- Manurial experiments conducted over a period of years at the Coconut Research Stations have shown that application of green manure to the coconut gardens of the West Coast deficient in organic matter is very desirable. The economical way of achieving this object is to grow a green manure crop during the monsoon rains and incorporate into the soil by ploughing or digging with mamooty. A large number of plants suitable for cultivation as green manure in coconut gardens, like cowpea, sunhemp, wild indigo and many others, were tried but none of them grew well under the shade of the coconut trees. Crotalaria Striata, a local legumuious weed, was found to be the best and give from 15,000 lb to 30,000 lb of green matter per acre. This plant is not eaten by cattle or goats and no serious pest or disease was found to attack it. Therefore Crotalaria Striata is considered to be the best green manure for coconut gardens. The scheme has for its objective the multiplication of seeds of Crotalaria Striata under seed farm conditions and sale in eight selected taluks of the West coast.

6. Venue of work:- The scheme is worked in the following eight taluks in the first instance.

Malabar District.

1. Chirakkal.
2. Kottayam.
3. Kurumbrannad.
4. Calicut.
5. Eraad.
6. Walluvenad
7. Ponnani
8.

South Kanara.

Kasaragod.

Section B. -- Programme of work:-

Every year 125 lb. of seeds of Crotalaria Striata sufficient to sow an area of five acres will be sent from the Arricultural Research station, Nileswar, to each of the Agricultural Demonstrators of the eight selected taluks. This will be distributed free to owners of coconut garden to be raised in primary farms. One hundred pounds of seed can be expected from each acre of primary seed farm. This will be purchased by the Department at Rs.31.8.0 per bag of 160 lb. including a premium of Rs.6.8.0. In each taluk 500 lb. of seed from 5 acres of primary seed farm will be available from the second year onwards. This will be issued free to trustworthy ryots for sowing in 20 acres of secondary seed farms. The resulting seed from these 20 acres will be purchased at the same rate. Thus at the end of second year onwards there will be 2,000 lb. of seed for sale in each taluk. This will be sold at a concession rate of Rs.28.4.p per bag so as to encourage rapid spread of the green manure practice. At the end of the eighth year the area under Crotalaria Striata in each taluk is estimated to be 6000 acres on the basis that spread under departmental agency is four and the natural spread is two fold.

Section C. -- Results.

One thousand pounds of Crotalaria striata seeds were distributed during May-June 1948 among the Agricultural Demonstrators of the eight selected taluks of Malabar and South Kanara Districts, to sow primary seed farms. The following are the centres at which primary seed farms were run during the yeay in the different taluks.

Malabar District Names of Taluks.	Names of centres.	Area sown. Acre	cents.
1. Chirakkal	Azhicode	1	0
	Pappinesseri	1	0
	Payyanur	1	0
	Anjarkandy	1	0
	Palayangadi	1	0
	Total	5	0
2. Kottayam	Pattyam	1	0
	Kuthuparamba	1	0
	Kadirur	0	50
	Menapram	1	0
	Paniyanur	0	50
	Mattanur	0	50
	Pinnarayi	1	0
	Erunjoil	0	50
	Total	6	0
3. Kurumbraned.	Pantalayini	3	0
	Ballisseri	1	50
	Azhiyur	0	75
	Onchiam	1	50
	Puthiyarka	0	75
	Velur	0	75
	Total	8	25

4. Calicut	Beypore	1	..	0
	Naduvattam	1	..	50
	Total	2	..	50
5. Ernad	Manjeri	10	..	0
6. Walluvana	Kakuth	1	..	0
	Puthaikara	1	..	0
	Karivattam	0	..	50
	Tazamallur	0	..	50
	Kodur	0	..	50
	Perintalmanna	0	..	50
	Palapuram	0	..	40
	Trikkangode	1	..	0
	Vadankurissi	1	..	0
	Korapuzla	0	..	50
	Mannarghat	1	..	0
	Tiruvazhakunnu	1	..	0
	Total	10	..	40
7. Ponnani	Bralmakulam	1	..	0
	Curuvayoor	2	..	0
	Clowghat	1	..	0
	Veliangode	1	..	0
	Total	5	..	0

South Kanara District.

Name of Taluks				
Kasaragode	Kasaragode Mangalpadi Uppala	5	..	0
	Total	5	..	0
	Grand Total	52	..	15 acres.

Details:- The seasonal conditions were not favourable for the growth of the crop at a number of centres. Further, sowings in the primary seeds farms were done late at centres in Walluvanad, Kttayam and Ponnani taluks. This has resulted in the failure of the green crop at many of the centres. Wherever sowings were done early in May, the crops were found to put on excellent growth attaining a height of over 6 feet. The ryots were very much impressed with the general performance of this green manure crop.

A total quantity of 1479 lb. of seeds have been purchased during the season from the Primary Seed Farms . The quantity of 4000 lb. of seeds programmed to be produred could not be purchased due to the failure of the crop at a number of centres. The seeds obtained from the Primary seeds Farms have been distributed for raising secondary seed from during 1949.

One thousand pound of Crotalaria Striata seeds have been distributed from the Coconut Research Station, Nileshwar to the Agricultural Demonstrators of the Selected eight taluks to raise Primary Seed Farms during 1949.

FOOD DEPARTMENT.

Letter Ms. No.759. Dated 13.8.49.

To

The Secretary, I.c. etc.,
Ernakulam.

Sir,

Subject: Agriculture--I.C. etc.,--schemes financed by the Committee--Progress reports for the year ending 30.6.49--Forwarded--

Ref: Your letter No.F96/48 dated 12.7.49.
This Government's letter No.69806K/49-6 dated 10.8.49.

In continuation of this Government's letter cited, I am directed to forward herewith fifty stencilled copies of the progress of the ~~XXXXXX~~ scheme report for the multiplication and distribution of crotalaria striata green manure seeds for the coconut gardens of the West Coast.

(Sd.) X.X.X.

To

Copy to the Director of Agriculture.

/True Copy/

OFFICE ASSISTANT
MADRAS RECORD OFFICE

C.N.V.
24.9: